SAFETY DATA SHEET
Anti-Static Foam Cleaner

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: Anti-Static Foam Cleaner
Product number: 136-8531, ZP

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Cleaning agent.
Uses advised against: No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier: RS COMPONENTS
BIRCHINGTON ROAD
CORBY
NORTHANTS NN17 9RS UK
+44 (0) 1536 402888 (8am to 8pm)
+44 (0) 1536 401588
RCustomerServicesUK@rs-components.com

1.4. Emergency telephone number
Emergency telephone: +44 (0)1865 407333

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards: Aerosol 3 - H229
Health hazards: Not Classified
Environmental hazards: Not Classified

2.2. Label elements
Signal word: Warning
Hazard statements: H229 Pressurised container: may burst if heated
Precautionary statements: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P102 Keep out of reach of children.

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
## Anti-Static Foam Cleaner

<table>
<thead>
<tr>
<th>Compound</th>
<th>Concentration</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2-Tetrafluoroethane (HFC 134a)</td>
<td>1-5%</td>
<td>811-97-2</td>
<td>212-377-0</td>
<td>01-2119459374-33-XXXX</td>
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<tr>
<td>Propan-2-ol</td>
<td>1-5%</td>
<td>67-63-0</td>
<td>200-661-7</td>
<td>01-2119457558-25-XXXX</td>
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<tr>
<td>Petroleum gases, liquefied</td>
<td>1-5%</td>
<td>68476-85-7</td>
<td>270-704-2</td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>1-5%</td>
<td>111-76-2</td>
<td>203-905-0</td>
<td>01-2119475108-36-XXXX</td>
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<tr>
<td>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</td>
<td>1-5%</td>
<td>64742-47-8</td>
<td>926-141-6</td>
<td>01-2119456620-43-XXXX</td>
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### Classification

<table>
<thead>
<tr>
<th>1,1,1,2-Tetrafluoroethane (HFC 134a)</th>
<th>Press. Gas, Liquefied - H280</th>
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<tbody>
<tr>
<td>Propan-2-ol</td>
<td>Flam. Liq. 2 - H225</td>
</tr>
<tr>
<td>Elsir Irrit. 2 - H319</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3 - H336</td>
<td></td>
</tr>
<tr>
<td>Petroleum gases, liquefied</td>
<td>Flam. Gas 1 - H220</td>
</tr>
<tr>
<td>Press. Gas, Liquefied - H280</td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>Acute Tox. 4 - H302</td>
</tr>
<tr>
<td>Acute Tox. 4 - H312</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4 - H332</td>
<td></td>
</tr>
<tr>
<td>Skin Irrit. 2 - H315</td>
<td></td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td></td>
</tr>
<tr>
<td>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</td>
<td>Asp. Tox. 1 - H304</td>
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</table>
Anti-Static Foam Cleaner

<table>
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<tr>
<th>2-Aminoethanol</th>
<th>&lt;1%</th>
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<tbody>
<tr>
<td>CAS number: 141-43-5</td>
<td>EC number: 205-483-3</td>
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</table>

**Classification**
- Acute Tox. 4 - H302
- Acute Tox. 4 - H312
- Acute Tox. 4 - H332
- Skin Corr. 1B - H314
- Eye Dam. 1 - H318
- STOT SE 3 - H335

<table>
<thead>
<tr>
<th>Benzyl-C12-14-alkyldimethylammonium chlorides</th>
<th>&lt;1%</th>
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<tr>
<td>CAS number: —</td>
<td>EC number: 939-350-2</td>
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</table>

**Classification**
- Acute Tox. 4 - H302
- Skin Corr. 1B - H314
- Eye Dam. 1 - H318
- Aquatic Acute 1 - H400
- Aquatic Chronic 1 - H410

<table>
<thead>
<tr>
<th>Sodium hydroxide</th>
<th>&lt;1%</th>
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</table>

**Classification**
- Skin Corr. 1A - H314
- Eye Dam. 1 - H318

<table>
<thead>
<tr>
<th>2,6-Di-tert-butyl-p-cresol</th>
<th>&lt;1%</th>
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</thead>
<tbody>
<tr>
<td>CAS number: 128-37-0</td>
<td>EC number: 204-881-4</td>
</tr>
</tbody>
</table>

**Classification**
- Aquatic Acute 1 - H400
- Aquatic Chronic 1 - H410

<table>
<thead>
<tr>
<th>Ethanol</th>
<th>&lt;1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 64-17-5</td>
<td>EC number: 200-578-6</td>
</tr>
</tbody>
</table>

**Classification**
- Flam. Liq. 2 - H225

The full text for all hazard statements is displayed in Section 16.

**SECTION 4: First aid measures**
Anti-Static Foam Cleaner

4.1. Description of first aid measures

**General information**
If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

**Inhalation**
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

**Ingestion**
Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

**Skin contact**
Rinse with water.

**Eye contact**
Rinse with water. Get medical attention if any discomfort continues.

**Protection of first aiders**
First aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed

**General information**
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**
Spray/mists may cause respiratory tract irritation.

**Ingestion**
Due to the physical nature of this product, it is unlikely that ingestion will occur.

**Skin contact**
Repeated exposure may cause skin dryness or cracking.

**Eye contact**
May be slightly irritating to eyes. May cause discomfort.

4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor**
Treat symptomatically.

**Specific treatments**
No special treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

**Suitable extinguishing media**
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

**Specific hazards**
Containers can burst violently or explode when heated, due to excessive pressure build-up. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant.

**Hazardous combustion products**
Thermal decomposition or combustion products may include the following substances:
Harmful gases or vapours.

5.3. Advice for firefighters

**Protective actions during firefighting**
Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Anti-Static Foam Cleaner

**Special protective equipment for firefighters**
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

*Personal precautions*  
Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Risk of explosion.

**6.2. Environmental precautions**

*Environmental precautions*  
Avoid discharge to the aquatic environment.

**6.3. Methods and material for containment and cleaning up**

*Methods for cleaning up*  
Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

**6.4. Reference to other sections**

*Reference to other sections*  
For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

*Usage precautions*  
Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Avoid exposing aerosol containers to high temperatures or direct sunlight. Avoid discharge to the aquatic environment. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin. Avoid contact with eyes. Avoid inhalation of vapours and spray/mists.

*Advice on general occupational hygiene*  
Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

**7.2. Conditions for safe storage, including any incompatibilities**

*Storage precautions*  
Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Protect from sunlight. Do not store near heat sources or expose to high temperatures. Do not expose to temperatures exceeding 50°C/122°F.

*Storage class*  
Chemical storage.

**7.3. Specific end use(s)**

*Specific end use(s)*  
The identified uses for this product are detailed in Section 1.2.

**SECTION 8: Exposure Controls/personal protection**

**8.1. Control parameters**

*Occupational exposure limits*  
1,1,1,2-Tetrafluoroethane (HFC 134a)  
Long-term exposure limit (8-hour TWA): WEL 1000 ppm  4240 mg/m³
Anti-Static Foam Cleaner

Propan-2-ol
Long-term exposure limit (8-hour TWA): WEL 400 ppm  999 mg/m³
Short-term exposure limit (15-minute):  WEL 500 ppm  1250 mg/m³

Petroleum gases, liquefied
Long-term exposure limit (8-hour TWA): WEL 1000 ppm  1750 mg/m³
Short-term exposure limit (15-minute):  WEL 1250 ppm  2180 mg/m³

2-Butoxyethanol
Long-term exposure limit (8-hour TWA): WEL 25 ppm  123 mg/m³
Short-term exposure limit (15-minute):  WEL 50 ppm  246 mg/m³
Sk

2-Aminoethanol
Long-term exposure limit (8-hour TWA): WEL 1 ppm  2.5 mg/m³
Short-term exposure limit (15-minute):  WEL 3 ppm  7.6 mg/m³
Sk

Sodium hydroxide
Short-term exposure limit (15-minute):  WEL 2 mg/m³

2,6-Di-tert-butyl-p-cresol
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

Ethanol
Long-term exposure limit (8-hour TWA): WEL 1000 ppm  1920 mg/m³
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate ventilation.

Eye/face protection
Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection
No specific hand protection recommended.

Other skin and body protection
Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hygiene measures
Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Respiratory protection
No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure controls
Keep container tightly sealed when not in use. Avoid release to the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Aerosol.
Anti-Static Foam Cleaner

Colour
Colourless.

Odour
Characteristic.

Odour threshold
Not available.

pH
Not available.

Melting point
Not available.

Initial boiling point and range
Not available.

Flash point
55°C CC (Closed cup).

Evaporation rate
Not available.

Evaporation factor
Not available.

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits
Not available.

Other flammability
Not available.

Vapour pressure
Not available.

Vapour density
Not available.

Relative density
0.995

Bulk density
Not available.

Solubility(ies)
Not available.

Partition coefficient
Not available.

Auto-ignition temperature
Not available.

Decomposition Temperature
Not available.

Viscosity
Not available.

Explosive properties
Not considered to be explosive.

Oxidising properties
Does not meet the criteria for classification as oxidising.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability
Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions
No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid
Avoid exposing aerosol containers to high temperatures or direct sunlight. Pressurised container: may burst if heated
Anti-Static Foam Cleaner

10.5. Incompatible materials

**Materials to avoid**
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

**Hazardous decomposition products**
Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

**Toxicological effects**
Not regarded as a health hazard under current legislation.

**Acute toxicity - oral**

*Notes (oral LD₅₀)*
Based on available data the classification criteria are not met.

**ATE oral (mg/kg)**
150,752.21

**Acute toxicity - dermal**

*Notes (dermal LD₅₀)*
Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)**
94,975.62

**Acute toxicity - inhalation**

*Notes (inhalation LC₅₀)*
Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)**
949.76

**Skin corrosion/irritation**
Animal data
Based on available data the classification criteria are not met.

**Serious eye damage/irritation**
Based on available data the classification criteria are not met.

**Respiratory sensitisation**
Respiratory sensitisation
Based on available data the classification criteria are not met.

**Skin sensitisation**

**Germ cell mutagenicity**
Genotoxicity - in vitro
Based on available data the classification criteria are not met.

**Carcinogenicity**

**IARC carcinogenicity**
Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.

**Reproductive toxicity**

**Reproductive toxicity - fertility**
Based on available data the classification criteria are not met.

**Reproductive toxicity - development**
Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

**STOT - single exposure**
Not classified as a specific target organ toxicant after a single exposure.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure**
Not classified as a specific target organ toxicant after repeated exposure.
Anti-Static Foam Cleaner

Aspiration hazard
Based on available data the classification criteria are not met.

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
Spray/mists may cause respiratory tract irritation.

Ingestion
Due to the physical nature of this product, it is unlikely that ingestion will occur.

Skin contact
Repeated exposure may cause skin dryness or cracking.

Eye contact
May be slightly irritating to eyes. May cause discomfort.

Route of entry
Inhalation, Skin and/or eye contact

Target organs
No specific target organs known.

Propan-2-ol

Acute toxicity - dermal
LD₅₀ 5840 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation
Primary dermal irritation index: 0 REACH dossier information. Based on available data the classification criteria are not met.

Serious eye damage/irritation
Dose: 0.1 mL, 1 second, Rabbit Causes serious eye irritation.

Skin sensitisation
Buehler test - Guinea pig: Not sensitising, REACH dossier information. Based on available data the classification criteria are not met.

Germ cell mutagenicity
Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vitro
Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Carcinogenicity
NOAEL 5000 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

IARC carcinogenicity
IARC Group 3  Not classifiable as to its carcinogenicity to humans.

Specific target organ toxicity - single exposure
STOT - single exposure
STOT SE 3 - H336 May cause drowsiness or dizziness.

Target organs
Central nervous system

Specific target organ toxicity - repeated exposure
NOAEC 5000 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.
# Anti-Static Foam Cleaner

Petroleum gases, liquefied

## Toxicological effects

Not regarded as a health hazard under current legislation.

### Germ cell mutagenicity

Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

### Genotoxicity - in vitro

Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

### Germ cell mutagenicity

Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

### Genotoxicity - in vivo

Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

### Carcinogenicity

Carcinogenicity NOAEL 10000 ppm, Inhalation, Mouse REACH dossier information. Based on available data the classification criteria are not met.

### Reproductive toxicity

- **Reproductive toxicity - fertility**
  - Fertility - NOAEC 9000 ppm, Inhalation, Rat F1 REACH dossier information. Based on available data the classification criteria are not met.

- **Reproductive toxicity - development**
  - Developmental toxicity: - NOAEC: 10426 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEC 10000 ppmV/4hr/day, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

## 2-Butoxyethanol

### Acute toxicity - oral

- **Acute toxicity oral (LD₅₀ mg/kg)**
  - 1,746.0

- **Species**
  - Rat

- **Notes (oral LD₅₀)**
  - REACH dossier information. Harmful if swallowed.

- **ATE oral (mg/kg)**
  - 1,746.0

### Acute toxicity - dermal

- **Notes (dermal LD₅₀)**
  - cATpE: Converted Acute Toxicity Point Estimate. Harmful in contact with skin.

- **ATE dermal (mg/kg)**
  - 1,100.0

### Acute toxicity - inhalation

- **Notes (inhalation LC₅₀)**
  - cATpE: Converted Acute Toxicity Point Estimate. Harmful if inhaled.

- **ATE inhalation (vapours mg/l)**
  - 11.0

### Skin corrosion/irritation

Animal data

- **Dose:** 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: No oedema (0). REACH dossier information. Irritating.

### Serious eye damage/irritation

- **Dose:** 0.1 mL, 24 hours, Rabbit Causes serious eye irritation.

### Skin sensitisation


## Anti-Static Foam Cleaner

### Skin sensitisation
Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

### Germ cell mutagenicity

#### Genotoxicity - in vitro
Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

#### Genotoxicity - in vivo
Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

### Carcinogenicity

#### Carcinogenicity
NOAEC 125 ppm, Inhalation, Mouse REACH dossier information. Based on available data the classification criteria are not met.

#### IARC carcinogenicity
IARC Group 3 Not classifiable as to its carcinogenicity to humans.

### Reproductive toxicity

#### Reproductive toxicity - fertility
Two-generation study - NOAEL 720 mg/kg/day, Oral, Mouse P REACH dossier information. Based on available data the classification criteria are not met.

#### Reproductive toxicity - development
Maternal toxicity: - NOAEL: 50 ppm, Inhalation, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

#### STOT - repeated exposure
NOAEL <69 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

### Acute toxicity - oral

#### Notes (oral LD₅₀)
LD₅₀ 15000 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

### Acute toxicity - dermal

#### Notes (dermal LD₅₀)
LD₅₀ 3160 mg/kg, Dermal, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

### Acute toxicity - inhalation

#### Notes (inhalation LC₅₀)
LC₅₀ 4951 mg/l, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

### Skin corrosion/irritation

#### Animal data
Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Very slight oedema - barely perceptible (1). REACH dossier information. Repeated exposure may cause skin dryness or cracking.

### Serious eye damage/irritation

#### Dose
0.1 mL, 1 second, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

### Skin sensitisation
Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.
Anti-Static Foam Cleaner

Genotoxicity - in vitro
Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo
Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Carcinogenicity
NOAEC 1100 mg/m³, Inhalation, Mouse REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity
Fertility, One-generation study - NOAEL 750 mg/kg/day, Oral, Rat F1 REACH dossier information. Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure NOAEC >10400 mg/m³, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

Aspiration hazard
Aspiration hazard 2.4 cSt @ 20°C Aspiration hazard if swallowed.

SECTION 12: Ecological Information

Ecotoxicity
Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity
Toxicity
Based on available data the classification criteria are not met.

Propan-2-ol
Toxicity
Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute toxicity - fish
LC₅₀, 96 hours: 10000 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates
LC₅₀, 24 hours: >10000 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC₅₀, 7 days: 1800 mg/l, Scenedesmus quadricauda

Petroleum gases, liquefied
Toxicity
Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute toxicity - fish
LC₅₀, 96 hours: 147.54 mg/l, Freshwater fish Estimated value.

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 16.33 mg/l, Daphnia magna Estimated value.
Anti-Static Foam Cleaner

| Acute toxicity - aquatic plants | EC₅₀, 96 hours: 11.89 mg/l, Freshwater algae Estimated value. |

**2-Butoxyethanol**

Toxicity

Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

| Acute toxicity - fish | LC₅₀, 96 hours: 1474 mg/l, Onchorhynchus mykiss (Rainbow trout) |
| Acute toxicity - aquatic invertebrates | EC₅₀, 48 hours: 1550 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC₅₀, 72 hours: 911 mg/l, Pseudokirchneriella subcapitata |

| Chronic toxicity - fish early life stage | NOEL, 21 days: >100 mg/l, Brachydanio rerio (Zebra Fish) |

| Chronic toxicity - aquatic invertebrates | NOEC, 21 days: 100 mg/l, Daphnia magna |

**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Toxicity

Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

| Acute toxicity - fish | LL₅₀, 96 hours: >1000 mg/l, Onchorhynchus mykiss (Rainbow trout) |
| Acute toxicity - aquatic invertebrates | EL₅₀, 48 hours: >10000 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EL₅₀, 72 hours: >1000 mg/l, Pseudokirchneriella subcapitata |

| Chronic toxicity - fish early life stage | NOELR, 28 days: 0.173 mg/l, Onchorhynchus mykiss (Rainbow trout), Estimated value. |

| Chronic toxicity - aquatic invertebrates | NOELR, 21 days: 1.22 mg/l, Daphnia magna, Estimated value. |

12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

**Propan-2-ol**

Persistence and degradability

The substance is readily biodegradable.

**Biodegradation** Water - Degradation 53%: 5 days

**Biological oxygen demand** 1.19-1.72 g O₂/g substance

**Chemical oxygen demand** 2.23 g O₂/g substance

**Petroleum gases, liquefied**
Anti-Static Foam Cleaner

Persistence and degradability

The substance is readily biodegradable.

Biodegradation

Water - Degradation 100%: 385.5 hours

2-Butoxyethanol

Persistence and degradability

The substance is readily biodegradable.

Biodegradation

Water - Degradation 90.4%: 28 days

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Persistence and degradability

Readily biodegradable but failing the 10-day window.

Biodegradation

Water - Degradation ~5%: 3 days
Water - Degradation 69%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not available.

Propan-2-ol

Bioaccumulative potential

Bioaccumulation is unlikely.

Partition coefficient

Not available.

Petroleum gases, liquefied

Bioaccumulative potential

No data available on bioaccumulation.

2-Butoxyethanol

Bioaccumulative potential

Bioaccumulation is unlikely.

Partition coefficient

log Kow: 0.81

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Partition coefficient

Scientifically unjustified.

12.4. Mobility in soil

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Propan-2-ol

Mobility

The product is soluble in water.

Petroleum gases, liquefied

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

2-Butoxyethanol
Anti-Static Foam Cleaner

Mobility
The product is miscible with water and may spread in water systems.

Surface tension 29.53 mN/m @ 20°C

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Mobility
The product has poor water-solubility.

12.5. Results of PBT and vPvB assessment

Propan-2-ol
Results of PBT and vPvB assessment
This substance is not classified as PBT or vPvB according to current EU criteria.

Petroleum gases, liquefied
Results of PBT and vPvB assessment
This substance is not classified as PBT or vPvB according to current EU criteria.

2-Butoxyethanol
Results of PBT and vPvB assessment
This substance is not classified as PBT or vPvB according to current EU criteria.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Results of PBT and vPvB assessment
This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects
Other adverse effects
None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information
The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General
For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

14.1. UN number
UN No. (ADR/RID) 1950
UN No. (IMDG) 1950
UN No. (ICAO) 1950
Anti-Static Foam Cleaner

UN No. (ADN) 1950

14.2. UN proper shipping name
Proper shipping name (ADR/RID) AEROSOLS
Proper shipping name (IMDG) AEROSOLS
Proper shipping name (ICAO) AEROSOLS
Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)
ADR/RID class 2.2
ADR/RID classification code 5A,5O
ADR/RID label 2.2
IMDG class 2.2
ICAO class/division 2.2
ADN class 2.2
Transport labels

14.4. Packing group
ADR/RID packing group None
IMDG packing group None
ADN packing group None
ICAO packing group None

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS F-D, S-U
ADR transport category 3
Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Anti-Static Foam Cleaner

National regulations
Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.

EU legislation
Dangerous Preparations Directive 1999/45/EC.
Dangerous Substances Directive 67/548/EEC.

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008

Training advice
Read and follow manufacturer's recommendations.

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1

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Hazard statements in full
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: may burst if heated
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.